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CERAMIC HEATER WITH ELECTROSTATIC CHUCK

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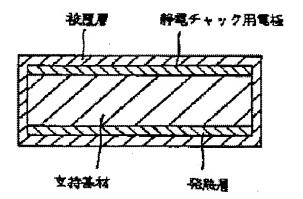
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Abstract of JP7307377

PURPOSE: To provide a ceramic heater with an electrostatic chuck of a structure, wherein even if the heater is used for temperature rise and drop processes in a semiconductor process, separation is not caused in the bonded part of the surface of a support substrate to an electrostatic chuck use electrode and the bonded part of the rear of the support substrate to a heating layer. CONSTITUTION: In a ceramic heater with an electrostatic chuck formed into a structure. wherein an electrostatic chuck use electrode. which consists of conductive ceramics, is bonded on the surface of a support substrate consisting of electrically insulative ceramics and at the same time, I heating layer consisting of conductive ceramics is bonded on the rear of the support substrate and a coating layer consisting of electrically insulative ceramics is provided on the electrode and the heating layer, the surface roughnesses Rmax of the support substrate, the electrostatic chuck use electrode and said heating later are equally set in a surface roughness of 5mum or more.



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